



Arizona Department of Education

Educational Leadership in the 21st Century

THE 21ST
CENTURY
KID!

global citizen • creative
active • mission-driven
civically-engaged • fun
musical • artistic
planner • brave
connected • optimistic
empathetic • caring
conscientious
knowledge-hungry • global
independent thinker
experiential learner
inventor • writer
investigator • dreamer
inspired • inspirational • original
friendly • flexible • collaborator • civically-engaged • fun
musical • artistic • connected
planner • leader • brave green • ethical
constructive • optimistic • collaborator • innovator
empathetic • caring • global citizen • creative
connected • visionary • active • mission-driven

Peter H. Reynolds 2008

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Benefits of Technology

<http://bit.ly/mec11-intelstudent>

- Rank the benefits of technology that are on your computer in the order of importance for a student today

Leading to Where?



Benefits of Technology

- Deepens content learning
- Allows for varied instructional strategies
- Promotes 21st century skills
- Fosters digital citizenship
- Enables real-world connections
- Facilitates global citizenship
- Supports student-centered learning
- Prepares students for the future

Technology Integration

Goal:

Effective use of technology to reap the benefits in the classroom

Most Common Problems:

- Not being utilized effectively
- Not the right technology

Visionary Leadership

- Intel Content

Examples

- **What examples exist in your school/district of where the use of technology has benefited students?**
- Deepens content learning
- Allows for varied instructional strategies
- Promotes 21st century skills
- Fosters digital citizenship
- Enables real-world connections
- Facilitates global citizenship
- Supports student-centered learning
- Prepares students for the future

NETS-A

- Intel Content

NETS-A

- Take a few minutes and read through the NETS-A and consider the following question:
 1. What are the most important elements of the NETS-A for your role? Why?

After you finish, discuss and compare your answer with your neighbor.

Rank Leader Behaviors

<http://bit.ly/mec11-intelstudent>

1. Rank the leader behaviors according to their importance for facilitating the effective use of the technology in the classroom.

Be prepared to share your reasoning for why you selected your top leader behavior

Professional Development

- Intel Content

Professional Development

- Connection to Practice
- Hands-on Technology
- Peer Collaboration
- Ongoing Process
- Adequate Resources
- Evaluation

Intel Teach Elements

- **Online Professional Development**
 - Project-Based Approaches
 - Assessment in the 21st Century
 - Collaboration in the Digital Classroom
 - Educational Leadership in the 21st Century
 - Thinking Critically about Data (coming this fall)

AZ Teach 21

<http://bit.ly/az-teach-21>



Evaluation

- How can we better measure the impact of the technology and our professional development?

ATIM

<http://azk12.org/tim>

→ Levels of Technology Integration into the Curriculum

Characteristics of the Learning Environment ↓	Technology Integration Matrix <i>Click on a matrix cell to view videos and sample lesson plans.</i>	Entry The teacher uses technology to deliver curriculum content to students.	Adoption The teacher directs students in the conventional use of tool-based software. If such software is available, this level is recommended.	Adaptation The teacher encourages adaptation of tool-based software by allowing students to select a tool and modify its use to accomplish the task at hand.	Infusion The teacher consistently provides for the infusion of technology tools with understanding, applying, analyzing, and evaluating learning tasks.	Transformation The teacher cultivates a rich learning environment, where blending choice of technology tools with student-initiated investigations, discussions, compositions, or projects, across any content area, is promoted.
	Active	Active: Entry	Active: Adoption	Active: Adaptation	Active: Infusion	Active: Transformation
	Collaborative	Collaborative: Entry	Collaborative: Adoption	Collaborative: Adaptation	Collaborative: Infusion	Collaborative: Transformation
	Constructive	Constructive: Entry	Constructive: Adoption	Constructive: Adaptation	Constructive: Infusion	Constructive: Transformation
	Authentic	Authentic: Entry	Authentic: Adoption	Authentic: Adaptation	Authentic: Infusion	Authentic: Transformation
	Goal Directed	Goal Directed: Entry	Goal Directed: Adoption	Goal Directed: Adaptation	Goal Directed: Infusion	Goal Directed: Transformation

ATIM

What did you find?

→ Levels of Technology Integration into the Curriculum

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	Active	Active: Entry	Active: Adoption	Active: Adaptation	Active: Infusion	Active: Transformation
	Collaborative	Collaborative: Entry	Collaborative: Adoption	Collaborative: Adaptation	Collaborative: Infusion	Collaborative: Transformation
	Constructive	Constructive: Entry	Constructive: Adoption	Constructive: Adaptation	Constructive: Infusion	Constructive: Transformation
	Authentic	Authentic: Entry	Authentic: Adoption	Authentic: Adaptation	Authentic: Infusion	Authentic: Transformation
	Goal Directed	Goal Directed: Entry	Goal Directed: Adoption	Goal Directed: Adaptation	Goal Directed: Infusion	Goal Directed: Transformation

Assessment Teachers

<http://bit.ly/mec11-teachertest>

The screenshot shows the 'Inventory of Teacher Technology Skills' assessment interface. At the top left, there is a logo with the text 'Inventory of Teacher Technology Skills' and a circular icon containing a map of Florida. Below the logo, the title 'Inventory of Teacher Technology Skills' is repeated. A paragraph of instructions states: 'Before beginning the inventory, **first complete the sample items.** All sections of the inventory can then be completed in any order.' Below this is a link: '[Return to the Teacher Main Page](#)'. A 'Section Status Legend' is provided, showing four status options: 'Not Available' (light blue circle), 'Available' (light blue circle), 'In Progress' (dark blue circle), and 'Completed' (dark blue circle). At the bottom left are two buttons: 'Logout' and 'Report'. On the right side, a list of six assessment sections is shown, each in a yellow pill-shaped box. A blue bracket on the left of this list groups them. The first item, '1. Basic Operations', is enclosed in a dashed rectangular box. The other items are '2. Productivity', '3. Communication', '4. Research', '5. Planning, Management and Instruction', and '6. Social, Ethical, Legal and Human Issues'.

Inventory of **Teacher Technology Skills**

Inventory of Teacher Technology Skills

Before beginning the inventory, **first complete the sample items.** All sections of the inventory can then be completed in any order.

[Return to the Teacher Main Page](#)

Section Status Legend:

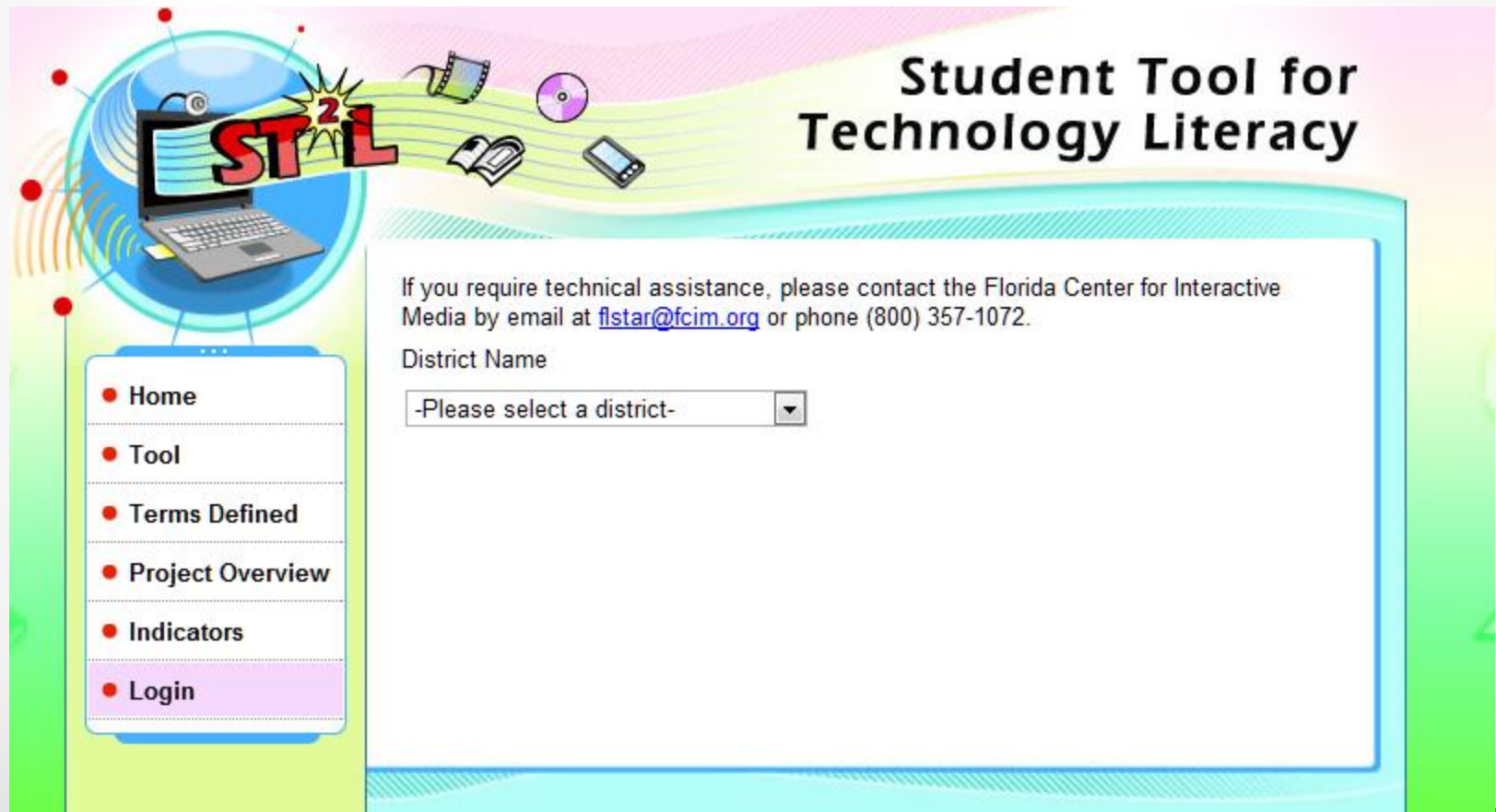
- ☐ Not Available
- ☐ Available
- ☒ In Progress
- ☒ Completed

Logout Report

- Sample Items
- 1. Basic Operations
- 2. Productivity
- 3. Communication
- 4. Research
- 5. Planning, Management and Instruction
- 6. Social, Ethical, Legal and Human Issues

Assessment Students

<http://bit.ly/mec11-studenttest>



ST²L

**Student Tool for
Technology Literacy**

If you require technical assistance, please contact the Florida Center for Interactive Media by email at flstar@fcim.org or phone (800) 357-1072.

District Name

-Please select a district- ▼

- Home
- Tool
- Terms Defined
- Project Overview
- Indicators
- Login

Questions?

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